Abstract of the Disclosure

The invention is directed to a suppository based vaccine delivery system for immunizing against urogenital and anorectally transmitted infectious disease in humans and animals and a method for treating the same. More particularly, this invention is directed to a suppository based vaccine delivery system for the prophylaxis against or treatment of urogenital or anorectal transmitted infectious diseases, such as from viral or microbial pathogens. The suppository based delivery system comprises vaccine and/or vaccine adjuvant(s) comprised of whole or fractionated viral or other microbial pathogens, or their purified cellular constituents, whether native, mutated, synthetic, cloned or recombinantly expressed, that consists of nucleic acids, proteins, lipids or other antigenic determinants capable of producing humoral or cellular-mediated immunity in humans or animals; and a polyethylene glycol base; wherein the suppository is adapted to be inserted into a bodily orifice of a human or animal so as to allow the suppository to be in contact with tissue of the bodily orifice to facilitate transfer of vaccine or vaccine adjuvant(s) material therethrough.